

South Plains College
Common Course Syllabus: MATH 0314/1314-C602
Spring 2024

Meets face to face (F2F) Monday, Tuesday, Wednesday and Thursday at the Lubbock Downtown Center in the basement in room B010 from 1:00-2:45 PM.

Department: Mathematics, Engineering, and Computer Science

Discipline: Mathematics

Course Number: MATH 0314

Course Title: College Algebra Support Course

Course Number: MATH 1314

Course Title: College Algebra

Available Formats: conventional, hybrid, and internet

Campuses: Levelland, Downtown Center, and Plainview Center

0314 Course Description: Math 0314 is to be taken concurrently with MATH 1314.

Background topics which are necessary for a student to successfully complete MATH 1314 will be covered, with an emphasis on fractions, factoring polynomials, functions, exponents, and operating with radical and rational expressions.

1314 Course Description: In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.

Prerequisite: Minimum score of 340 on the TSIA1, minimum diagnostic score of 3 on the TSIA2, a successful completion with a grade of 'C' or better in MATH 0315, or a successful completion of NCBM-0105.

0314 Credit: 3 **Lecture:** 3 **Lab:** 1

1314 Credit: 3 **Lecture:** 3 **Lab:** 1

Textbook (Optional): *College Algebra with Intermediate Algebra: A Blended Course*, Beecher, Penna, Johnson, and Bittinger, 2018, 1st Edition, Prentice Hall/Pearson Education

Supplies: Please see the instructor's course information sheet for specific supplies.

This course partially satisfies a Core Curriculum Requirement:

0314-None; 1314-Mathematics Foundational Component Area (020)

Core Curriculum Objectives addressed:

- **Communications skills**—to include effective written, oral and visual communication
- **Critical thinking skills**—to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Empirical and quantitative competency skills**—to manipulate and analyze numerical data or observable facts resulting in informed conclusions

0314 Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.

2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

1314 Student Learning Outcomes: Upon completion of this course and receiving a passing grade, the student will be able to:

1. Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses.
2. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations.
3. Apply graphing techniques.
4. Evaluate all roots of higher degree polynomial and rational functions.
5. Recognize, solve and apply systems of linear equations using matrices.

Student Learning Outcomes Assessment: A pre- and post-test questions will be used to determine the extent of improvement that the students have gained during the semester

Course Evaluation: There will be departmental final exam questions given by all instructors.

Attendance/Student Engagement Policy: Attendance and engagement are the most critical activities for success in this course. The instructor maintains records of the student's attendance and submission of assignments throughout the semester. The student is expected to attend at least eighty percent (80%) of the **total** class meetings **and** submit at least eighty percent (80%) of the **total** class assignments to have the best chance of success. If the student fails to meet these minimum requirements, the instructor may remove the student from the class with an X, upon their discretion, to help the student from harming their GPA. If the student can not receive an X, the instructor will assign an F.

Plagiarism violations include, but are not limited to, the following:

1. Turning in a paper that has been purchased, borrowed, or downloaded from another student, an online term paper site, or a mail-order term paper mill;
2. Cutting and pasting together information from books, articles, other papers, or online sites without providing proper documentation;
3. Using direct quotations (three or more words) from a source without showing them to be direct quotations and citing them; or
4. Missing in-text citations.

Cheating violations include, but are not limited to, the following:

1. Obtaining an examination by stealing or collusion;
2. Discovering the content of an examination before it is given;
3. Using an unauthorized source of information (notes, textbook, text messaging, internet, apps) during an examination, quiz, or homework assignment;
4. Entering an office or building to obtain an unfair advantage;
5. Taking an examination for another;
6. Altering grade records;
7. Copying another's work during an examination or on a homework assignment;
8. Rewriting another student's work in Peer Editing so that the writing is no longer the original student's;
9. Taking pictures of a test, test answers, or someone else's paper.

Student Code of Conduct Policy: Any successful learning experience requires mutual respect from the student and the instructor. Neither the instructor nor the student should be subject to others' rude, disruptive, intimidating, aggressive, or demeaning behavior. Student conduct that disrupts the learning process or is deemed disrespectful or threatening shall not be tolerated and may lead to disciplinary action and/or removal from class.

South Plains College policies concerning diversity, disabilities, non-discrimination, Title IX Pregnancy Accommodations, and Campus Concealed Carry Statements can be found here: <https://www.southplainscollege.edu/syllabusstatements/>.

South Plains College policies, return to campus plan, and protocols regarding COVID-19 can be found here: <https://www.southplainscollege.edu/emergency/covid19-faq.php>.

SPC Bookstore Price Match Guarantee Policy: If you find a lower price on a textbook, the South Plains College bookstore will match that price. The difference will be given to the student on a bookstore gift certificate! The gift certificate can be spent on anything in the store. If students have already purchased textbooks and then find a better price later, the South Plains College bookstore will price match through the first week of the semester. The student must have a copy of the receipt and the book has to be in stock at the competition at the time of the price match. The South Plains College bookstore will happily price match BN.com & books on Amazon noted as *ships from and sold by Amazon.com*. Online marketplaces such as *Other Sellers* on Amazon, Amazon's Warehouse Deals, *fulfilled by* Amazon, BN.com Marketplace, and peer-to-peer pricing are not eligible. They will price match the exact textbook, in the same edition and format, including all accompanying materials, like workbooks and CDs. A textbook is only eligible for price match if it is in stock on a competitor's website at time of the price match request. Additional membership discounts and offers cannot be applied to the student's refund. Price matching is only available on in-store purchases. Digital books, access codes sold via publisher sites, rentals and special orders are not eligible. Only one price match per title per customer is allowed.

Note: *The instructor reserves the right to modify the course syllabus and policies, as well as notify students of any changes, at any point during the semester.*

Spring 2024

Corequisite College Algebra: Math 0314.C602 & Math 1314.C602

Instructor: Larry Moffett

Email: lmoffett@southplainscollege.edu

Office: Lubbock Downtown Center: basement: room **B014**

Phone: (806)716-2528

Office Hours: in my office **B014**

Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9:00 10:45-12:00	10:30-11:00 4:50-5:20	8:30-9:00 10:45-12:00	10:30-11:00 4:50-5:20	8:30-10:00

Class Structure: This course is a flex course. **All instructional material is on Blackboard.** Each unit in Blackboard has homework, notes, and videos to teach the material. You are expected to watch the videos, fill in the notes, and do homework before you come to class each week. **You will meet for class face to face (F2F) four times a week (Monday, Tuesday, Wednesday and Thursday) at the Lubbock Downtown Center in the basement in room B010 from 1:00-2:45 PM.** During class, you will have time to ask questions about homework. Labs will also be assigned to allow the student to assess comprehension of homework.

Class Attendance: Attend class face to face (**F2F**). A student with 5 absences is subject to being dropped. Being tardy two times, being ten minutes late, leaving class before it has ended, and unauthorized use of a cell phone are counted as absences.

Possible options for making a pdf if needed:

OneDrive: All students have a free OneDrive account with their Office365 account. There is a free OneDrive app that will make a pdf of your work with your phone or tablet and will sync with your OneDrive account. This is one video I found that may help you with this.

<https://support.office.com/en-us/article/scan-a-whiteboard-document-business-card-or-photo-in-onedrive-for-ios-7b5425d5-754f-4201-b88f-13fc765d7d3a>

There is also a file on Blackboard in the Course Information folder that will help you use this resource.

CamScanner: This is also a good option. The video explains how to use CamScanner.

<https://www.youtube.com/watch?v=pc7dkXaer2s>

Scannable: This is another option. You may use any tool you like to make a pdf. This video explains how to use the Scannable app. <https://www.youtube.com/watch?v=RoAYGhtbdkI>

Homework: Homework should be completed on notebook paper with all work shown. The homework problems and the answers are located on **Blackboard**. The purpose of the homework problems is to determine if you understand the lesson and to give you practice. It will not be turned in for a grade.

Lab work: Labs will be assigned for **self evaluation**. You may use your homework to complete labs.

Exams: You may not use a calculator on Exam 1 but you may use a scientific calculator on all other exams. The **TI-30X IIS** calculator is adequate. There will be 6 exams. A graphing calculator is not allowed.

Proctorio practice: Hopefully Proctorio will not be needed this semester.

Determining Grades:

Exam 1	13 %
Exam 2	13 %
Exam 3	13 %
Exam 4	13 %
Exam 5	13 %
Exam 6	13 %
Final Exam	22 %
Total	100 %

<u>Accumulated points</u>	<u>Final Grade</u>
90 and above	A
80 - 89	B
70 - 79	C
60 - 69	D
59 and below	F

Supplies:

- Graph paper.
- Notebook paper and pencils
- Basic scientific calculator (such as a **TI-30X**). Calculators on cell phones, TI-89, TI-92, or TI-Inspire calculators, or any other electronic devices will not be allowed during testing without permission from the instructor. A graphing calculator is not allowed.
- **3-ring binder** to keep all homework assignments, quizzes, labs and exams organized and easy to find for reference (**Required.**) **Organize by units.**
- Reliable internet access.
- Phone or tablet capable of making a pdf (hopefully not necessary)

Supplementary Course Information: **Blackboard** is the online course management system that will be utilized for this course. This course syllabus, as well as any class handouts can be accessed through Blackboard. Login at <http://southplainscollege.blackboard.com>. The user name and password should be the same as the Texan Connect and SPC email.

Your daily course activities

View and complete the **lecture notes** for the assigned sections on **Blackboard**.

Watch the **videos** while taking notes

Work the **homework** for that lesson

Check your work with the answers on Blackboard

Mark any that you had trouble with

Ask questions

Complete your homework

Do lab work

Persevere

The following is from McGuffey's Reader:

The fisher who draws in his net too soon,
Want have any fish to sell;
The child who shuts up his book too soon,
Want learn any lessons well.

If you would have your learning stay,
Be patient – don't learn too fast;
The man who travels a mile a day,
May get round the world at last.

Corequisite College Algebra Course Calendar
Spring 2024

Manage your time. Weekend days are not included on the calendar but should be used to catch up if you fall behind or work ahead if you wish.

	Monday	Tuesday	Wednesday	Thursday	Friday
1		Jan 16, 2024 First class day Section 1.1 And 1.2	17 Section 1.3	18 Section 1.4	Catch up! Be Positive!
2	22 Section 1.5	23 Section 1.6	24 Section 1.6	25 Review	Catch up!
3	29 Test 1	30 Section 2.1	31 Section 2.2	Feb 1 Section 2.3	Catch up!
4	5 Section 2.4	6 Section 2.5/2.6	7 Section 2.6	8 Review	Catch up!
5	12 Test 2	13 Section 3.1	14 Section 3.2	15 Section 3.3	Catch up!
6	19 Section 3.4	20 Section 3.5	21 Section 3.5 Review	22 Section 4.1 Review	Catch up!
7	26 Test 3	27 Section 4.2	28 Section 4.3	29 Section 4.4	Catch up!
8	March 4 Section 4.5	5 Section 4.5 Review	6 Test 4	7 Section 5.1/5.2	Study !

	Monday	Tuesday	Wednesday	Thursday	Friday
9	18 Section 5.2/5.3	19 Section 5.3/5.4	20 Section 5.4 Review	21 Section 6.1	Catch up!
10	25 Test 5A: Unit 5	26 Section 6.2	27 Section 6.3	28 Section 6.4	Catch up!
11	April 1, 2024 Section 6.5 Review	2 Review	3 Test 5B: Unit 6	4 Section 7.1	Catch up!
12	8 Section 7.2	9 Section 7.3	10 Section 7.4	11 Section 7.5 Review	Catch up!
13	15 Section 7.5 Review	16 Section 7.5	17 Test 6: Unit 7	18 Section 8.1	Be Steadfast !
14	22 Section 8.2	23 Section 8.3	24 Section 8.4	25 Last day to Drop a Course Section 8.4	Be Good To Yourself: Keep Working
15	29 Section 8.4	30 Review	May 1, 2024 Review	2 Review	Study!
16	May 6, 2024	7	8 Wed Comprehensive Final: 10:15-12:15	9	

May 6-May 9 is Finals Week

SPC Tutors

Tutoring is FREE for all currently enrolled students. Make an appointment or drop-in for help at any SPC location or online! Visit the link below to learn more about how to book an appointment, view the tutoring schedule, get to know the tutors, and view tutoring locations.

<http://www.southplainscollege.edu/exploreprograms/artsandsciences/teacheredtutoring.php>

Tutor.com

You also have 180 FREE minutes of tutoring with tutor.com each week, and your hours reset every Monday morning. Log into Blackboard, click on the tutor.com link on the left-hand tool bar and grab a session with a tutor. You can access tutor.com tutors during the following times:

Monday – Thursday: 8pm-8am

6pm Friday – 8am Monday morning

For questions regarding tutoring, please email tutoring@southplainscollege.edu or call 806-716-2538.